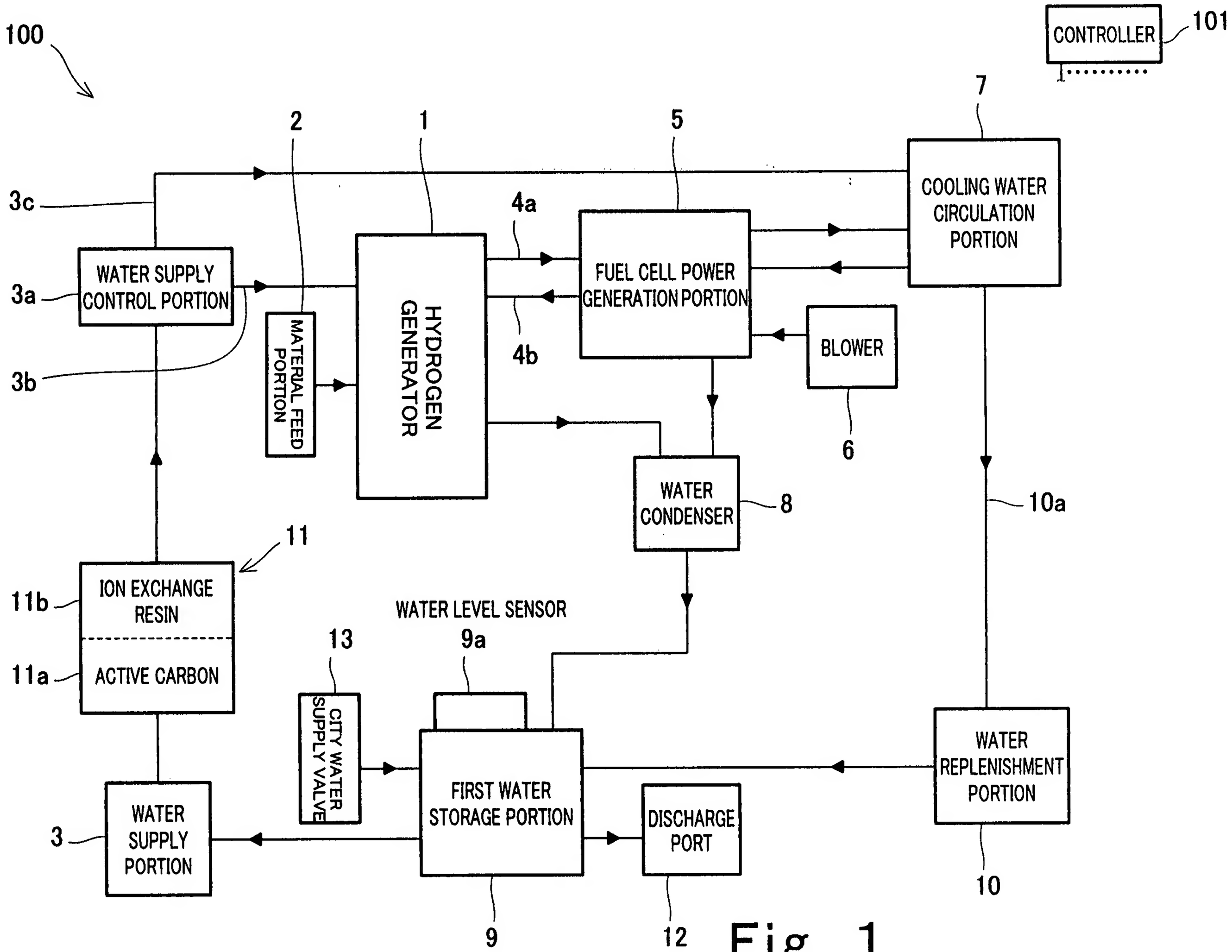
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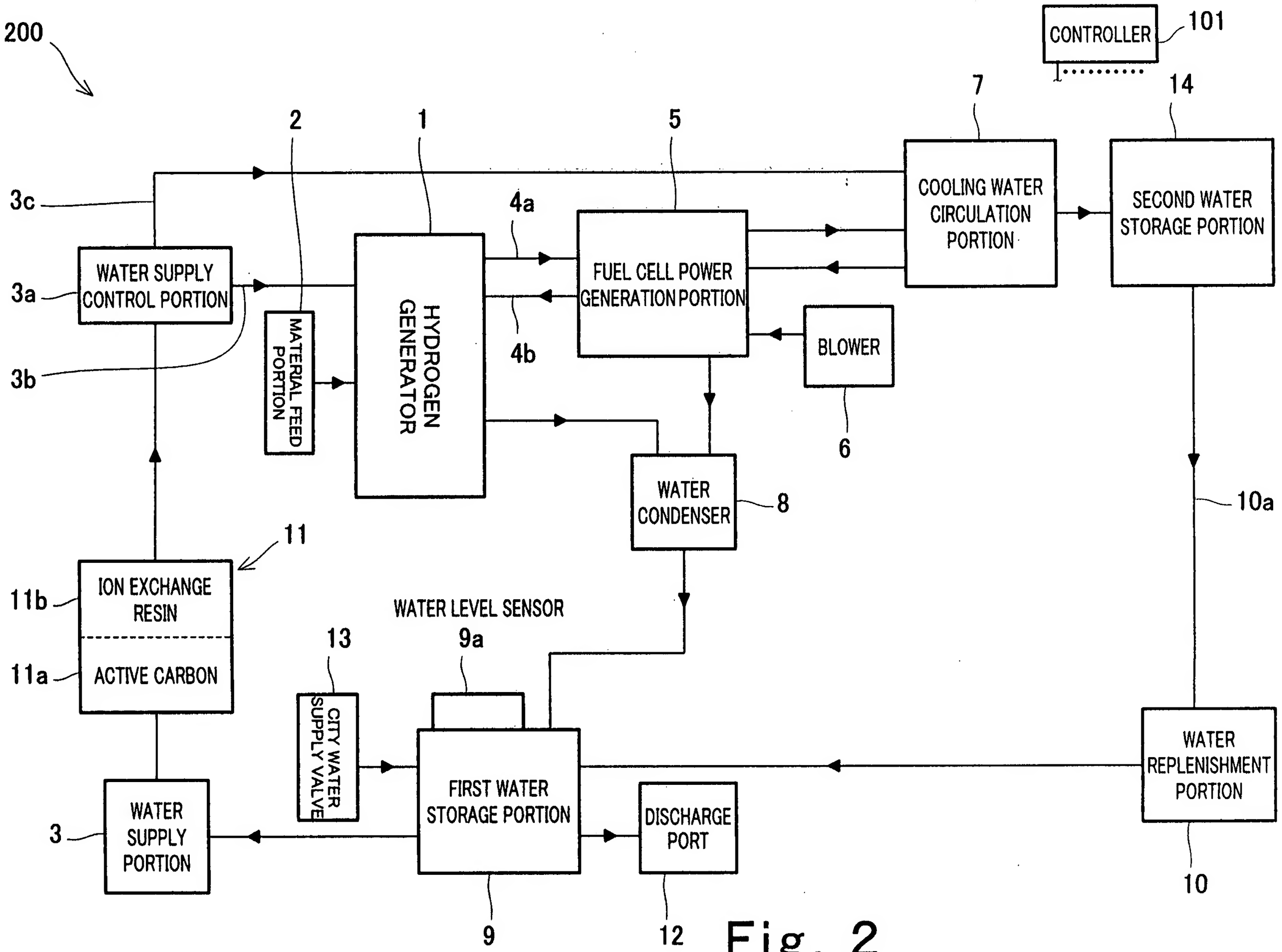
CONTROLLER
101
7
2
1
5
3c
4a
COOLING WATER CIRCULATION PORTION
WATER SUPPLY CONTROL PORTION
3a
HYDROGEN GENERATOR
FUEL CELL POWER GENERATION PORTION
MATERIAL FEED PORTION
4b
BLOWER
3b
6
WATER CONDENSER
8
10a
11
11b
ION EXCHANGE RESIN
WATER LEVEL SENSOR
13
9a
11a
ACTIVE CARBON
CITY WATER SUPPLY VALVE
WATER REPLENISHMENT PORTION
3
WATER SUPPLY PORTION
FIRST WATER STORAGE PORTION
DISCHARGE PORT
10
9
12

Fig. 1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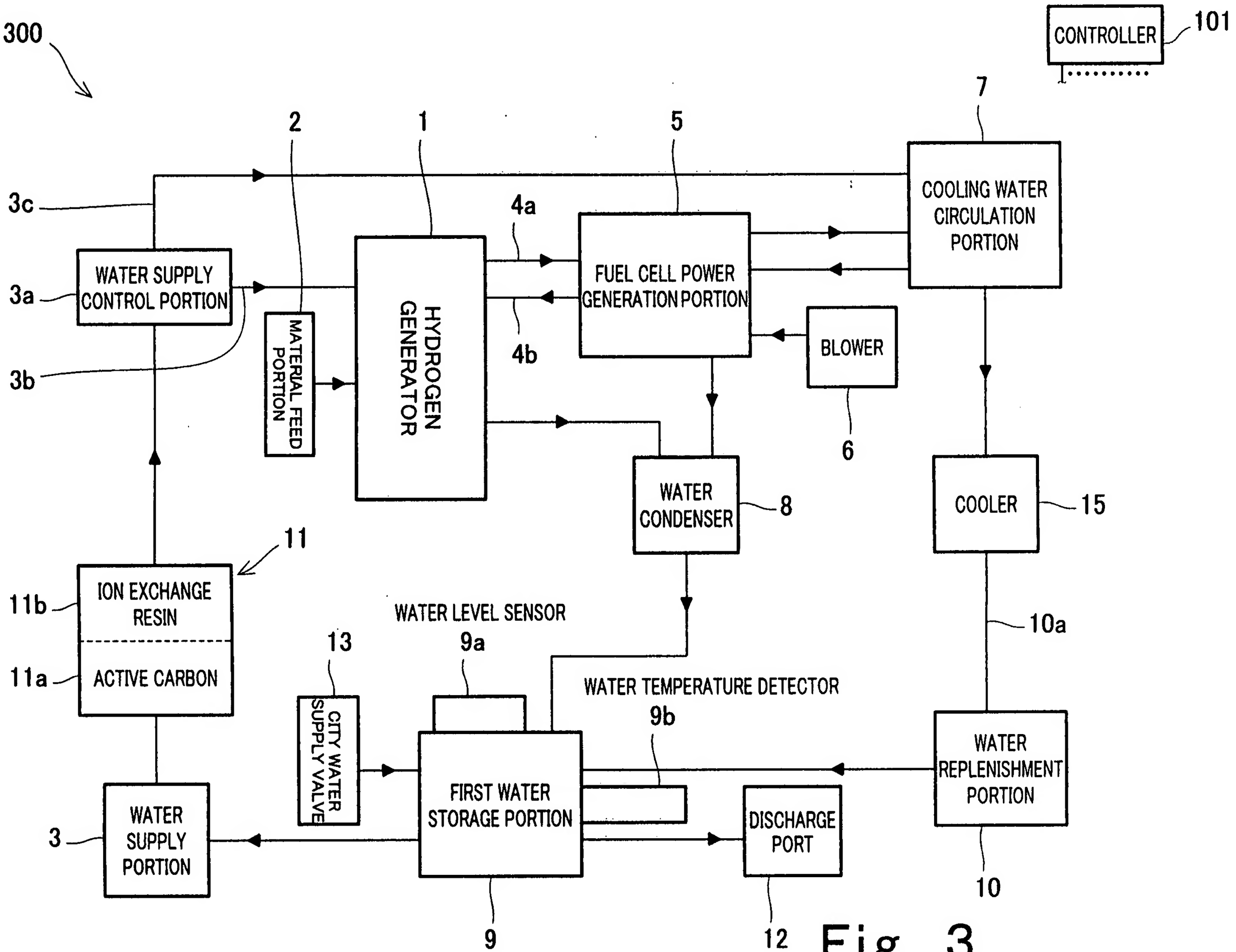
WATER SUPPLY CONTROL PORTION
3a
FUEL CELL POWER GENERATION PORTION
MATERIAL FEED PORTION
HYDROGEN GENERATOR
4b
BLOWER
3b
6
WATER CONDENSER
8
10a
11
ION EXCHANGE RESIN
11b
WATER LEVEL SENSOR
13
9a
11a
ACTIVE CARBON
CITY WATER SUPPLY VALVE
WATER REPLENISHMENT PORTION
WATER SUPPLY PORTION
3
FIRST WATER STORAGE PORTION
DISCHARGE PORT
10
9
12

Fig. 2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CONTROLLER
101
7
2
1
5
3c
4a
COOLING WATER CIRCULATION PORTION
WATER SUPPLY CONTROL PORTION
3a
FUEL CELL POWER GENERATION PORTION
MATERIAL FEED PORTION
HYDROGEN GENERATOR
4b
BLOWER
3b
6
WATER CONDENSER
8
COOLER
15
11
11b
ION EXCHANGE RESIN
WATER LEVEL SENSOR
9a
13
10a
11a
ACTIVE CARBON
WATER TEMPERATURE DETECTOR
9b
CITY WATER SUPPLY VALVE
WATER REPLENISHMENT PORTION
FIRST WATER STORAGE PORTION
3
WATER SUPPLY PORTION
DISCHARGE PORT
10
9
12

Fig. 3

OPERATION TIME[h]	0	1	5	10	20
ELATIVE VALUE OF BACTERIA[−]	1	0. 9	0. 6	0. 35	0. 12

Fig. 4(a)

OPERATION TIME[day]	1	2	3	4	5	6
ELATIVE VALUE OF BACTERIA[−]	1	0. 5	0. 3	0. 2	0. 15	0. 1

Fig. 4(b)